

Non-Catalog Model

Frequency Mixer

LMX-125MH

Level 13 (LO Power +13 dBm)

Important Note

This is a non-catalog model and can be manufactured on specific request. Pricing and delivery information can be supplied upon request.



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CASE STYLE : BB48

| ELECTRICAL SPECIFICATIONS 50Ω @ +25°C | | | | | |
|---------------------------------------|---------------|------|------|------|-------|
| Parameter | | Min. | Typ. | Max. | Units |
| Frequency | LO (fL to fU) | 0.5 | | 500 | MHz |
| | RF (fL to fU) | 0.5 | | 500 | MHz |
| | IF | 0 | | 500 | MHz |
| Conversion Loss | mid band | | | 7.0 | dB |
| | Total Range | | | 9.0 | dB |
| LO-RF Isolation | Low Range | 40 | 45 | | dB |
| | Mid Range | 40 | 45 | | dB |
| | Upper Range | 30 | 40 | | dB |
| LO-IF Isolation | Low Range | 40 | 45 | | dB |
| | Mid Range | 35 | 40 | | dB |
| | Upper Range | 25 | 35 | | dB |
| 1 dB Comp. Input Power | | | +9 | | dBm |

Notes: Low Range = [fL to 10fL]
mid band = [2fL to fU/2]

Mid Range = [10fL to fU/2]

Upper Range = [fU/2 to fU]

| MAXIMUM RATINGS | |
|-----------------------|----------------|
| Operating Temperature | -55°C to 100°C |
| Storage Temperature | -55°C to 100°C |
| RF Power | 200mW |
| IF Current | 40mA |

| PIN CONNECTIONS | |
|-----------------|---------------|
| LO | 8 |
| RF | 5 |
| IF | 4 |
| GROUND | 1, 2, 3, 6, 7 |

Electrical Schematics

